

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 091992840  
Source: TFW16  
Date Processed by STIC: 1/22/07

***ENTERED***



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/992,840

DATE: 01/22/2007

TIME: 13:15:04

Input Set : A:\Cura 57A Seq List.txt  
 Output Set: N:\CRF4\01222007\I992840.raw

3 <110> APPLICANT: Boldog, Ferenc L.;  
 4 Burgess, Catherine E.;  
 5 Fernandes, Elma ;  
 6 Ioime, Noelle ;  
 7 Jeffers, Michael E.;  
 8 LaRochelle, William J.;  
 9 Lichenstein, Henri ;  
 10 Prayaga, Sudhirdas ;  
 11 Rittman, Beth ;  
 12 Shimkets, Richard A.;  
 13 Shimkets, Juliette B;  
 14 Yang, Meijia  
 16 <120> TITLE OF INVENTION: Treatment of Inflammatory Bowel Disease Using Growth Factors  
 18 <130> FILE REFERENCE: 15966-557A (Cura 57A)  
 20 <140> CURRENT APPLICATION NUMBER: 09/992840  
 21 <141> CURRENT FILING DATE: 2001-11-06  
 23 <150> PRIOR APPLICATION NUMBER: 60/246206  
 24 <151> PRIOR FILING DATE: 2000-11-06  
 26 <160> NUMBER OF SEQ ID NOS: 28  
 28 <170> SOFTWARE: CuraSeqList ver. 0.1  
 30 <210> SEQ ID NO: 1  
 31 <211> LENGTH: 633  
 32 <212> TYPE: DNA  
 33 <213> ORGANISM: Homo sapiens  
 35 <400> SEQUENCE: 1  
 36 atggctccct tagccgaagt cgggggcttt ctggggcgccc tggagggctt gggccagcag 60  
 38 gtgggttcgc atttcctgtt gcctcctgccc ggggagcggc cggcgcgtct gggcgagcgc 120  
 40 aggagcgcgg cggagcggag cgcgcgcggc gggccggggg ctgcgcagct ggcgcacctg 180  
 42 cacggcattcc tgcgcgcgcgc gcagctctat tgccgcaccc gtttccaccc gcagatcctg 240  
 44 cccgacggca gcgtgcaggg caccggcag gaccacagcc ttttcggat ttttgcattt 300  
 46 atcagtgtgg cagtggact ggtcagttt agaggtgtgg acagtggctt ctatcttgg 360  
 48 atgaatgaca aaggagaact ctatggatca gagaactta cttccgaatg catctttagg 420  
 50 gagcagttt aagagaactg gtataacacc tattcatcta acatataaa acatggagac 480  
 52 actggccgca ggtattttgt ggcacttaac aaagacggaa ctccaagaga tggcgccagg 540  
 54 tccaaaggaggc atcagaaaatt tacacatttc ttacctagac cagtggatcc agaaagagtt 600  
 56 ccagaattgt acaaggacct actgtatgtac act 633  
 59 <210> SEQ ID NO: 2  
 60 <211> LENGTH: 211  
 61 <212> TYPE: PRT  
 62 <213> ORGANISM: Homo sapiens  
 64 <400> SEQUENCE: 2  
 65 Met Ala Pro Leu Ala Glu Val Gly Gly Phe Leu Gly Gly Leu Glu Gly  
 66 1 5 10 15

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68 Leu Gly Gln Gln Val Gly Ser His Phe Leu Leu Pro Pro Ala Gly Glu  
 69 20 25 30  
 71 Arg Pro Pro Leu Leu Gly Glu Arg Arg Ser Ala Ala Glu Arg Ser Ala  
 72 35 40 45  
 74 Arg Gly Gly Pro Gly Ala Ala Gln Leu Ala His Leu His Gly Ile Leu  
 75 50 55 60  
 77 Arg Arg Arg Gln Leu Tyr Cys Arg Thr Gly Phe His Leu Gln Ile Leu  
 78 65 70 75 80  
 80 Pro Asp Gly Ser Val Gln Gly Thr Arg Gln Asp His Ser Leu Phe Gly  
 81 85 90 95  
 83 Ile Leu Glu Phe Ile Ser Val Ala Val Gly Leu Val Ser Ile Arg Gly  
 84 100 105 110  
 86 Val Asp Ser Gly Leu Tyr Leu Gly Met Asn Asp Lys Gly Glu Leu Tyr  
 87 115 120 125  
 89 Gly Ser Glu Lys Leu Thr Ser Glu Cys Ile Phe Arg Glu Gln Phe Glu  
 90 130 135 140  
 92 Glu Asn Trp Tyr Asn Thr Tyr Ser Ser Asn Ile Tyr Lys His Gly Asp  
 93 145 150 155 160  
 95 Thr Gly Arg Arg Tyr Phe Val Ala Leu Asn Lys Asp Gly Thr Pro Arg  
 96 165 170 175  
 98 Asp Gly Ala Arg Ser Lys Arg His Gln Lys Phe Thr His Phe Leu Pro  
 99 180 185 190  
 101 Arg Pro Val Asp Pro Glu Arg Val Pro Glu Leu Tyr Lys Asp Leu Leu  
 102 195 200 205  
 104 Met Tyr Thr  
 105 210  
 107 <210> SEQ ID NO: 3  
 108 <211> LENGTH: 1828  
 109 <212> TYPE: DNA  
 110 <213> ORGANISM: Homo sapiens  
 112 <400> SEQUENCE: 3  
 113 ctaaaaaata tgttctctac aacaccaagg ctcattaaaa tattttaaat attaatatac  
 115 atttcttctg tcagaaaatac ataaaaacttt attatatcatg cgcagggcgg cgcggcgtcg  
 117 gtccccggag cagaacccgg ctttttcttg gagcgcacgct gtctctagtc gctgatccca  
 119 aatgcaccgg ctcatctttg tctacactct aatctgcgca aacttttgca gctgtcggga  
 121 cacttctgca accccgcaga ggcgcattca caaagctttg cgcaacgcac acctcaggcg  
 123 agatgagagc aatcacctca cagacttgcg ccgaagagat gagaccatcc aggtgaaagg  
 125 aaacggctac gtgcagagtc ctagattccc gaacagctac cccaggaacc tgctctgac  
 127 atggcggctt cactctcagg agaatacacg gatacagcta gtgtttgaca atcagtttgg  
 129 attagaggaa gcagaaaatg atatctgtat gtatgatttt gtggaaatgg aagatataatc  
 131 cggaaaccagt accattatta gaggacgatg gtgtggacac aaggaagttc ctccaaaggat  
 133 aaaatcaaga acgaacccaa ttaaaaatcac attcaagtcc gatgactact ttgtggctaa  
 135 acctggattc aagattttt attctttgtt ggaagatttc caacccgcag cagcttcaga  
 137 gaccaactgg gaatctgtca caagctctat ttcagggtt tcctataact ctccatcagt  
 139 aacggatccc actctgattt cggatgctct ggacaaaaaa attgcagaat ttgatacagt  
 141 ggaagatctg ctcaagact tcaatccaga gtcatggcaa gaagatctg agaatatgt  
 143 tctggacacc cctcggtatc gaggcaggatc ataccatgac cggaaatctaa aagttgaccc  
 145 ggtataggctc aatgatgtat ccaagcgtt cagttgcact cccaggaatt actcggctaa  
 147 tataaqaqaa qaqctqaaqt tqgccaatgt qqtcttctt ccacggttgc tccctctgtca

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149 gcgctgtgga ggaaattgtg gctgtggAAC tgtcaactgg aggtcctgca catgcaattc 1140  
 151 agggaaaacc gtgaaaagt atcatgaggt attacagttt gagcctgcc acatcaagag 1200  
 153 gaggggtaga gctaagacca tggctctagt tgacatccag ttggatcacc atgaacgatg 1260  
 155 tgattgtattc tgcagctcaa gaccacctcg ataagagaat gtgcacatcc ttacattaag 1320  
 157 cctgaaagaa ccttagttt aaggagggtg agataagaga ccctttccct accagcaacc 1380  
 159 aaacttacta ctgcctgca atgcaatgaa cacaagtggt tgctgagttc cagccttgct 1440  
 161 ttgttaatgc catggcaagt agaaaaggat atcatcaact tctataccta agaatataagg 1500  
 163 attgcattta ataatagtgt ttgaggttat atatgcacaa acacacacag aatatatattc 1560  
 165 atgtctatgt gtatatacat caaatgttt ttttgtata tataaccagg tacaccagag 1620  
 167 cttagatatg tttgagttt actcttaaaa tccttgcca aaataagggta tggtaaaata 1680  
 169 tatgaaacat gtcttagaa aatttaggag ataaatttat ttttaaattt tgaaacacaa 1740  
 171 aacaattttgc aatctgctc tcttaaagaa agcatctgt atattaaaaa tcaaaagatg 1800  
 173 aggtttctt acatatacat cttagttg 1828  
 175 <210> SEQ ID NO: 4  
 176 <211> LENGTH: 370  
 177 <212> TYPE: PRT  
 178 <213> ORGANISM: Homo sapiens  
 180 <400> SEQUENCE: 4  
 181 Met His Arg Leu Ile Phe Val Tyr Thr Leu Ile Cys Ala Asn Phe Cys  
 182 1 5 10 15  
 184 Ser Cys Arg Asp Thr Ser Ala Thr Pro Gln Ser Ala Ser Ile Lys Ala  
 185 20 25 30  
 187 Leu Arg Asn Ala Asn Leu Arg Arg Asp Glu Ser Asn His Leu Thr Asp  
 188 35 40 45  
 190 Leu Tyr Arg Arg Asp Glu Thr Ile Gln Val Lys Gly Asn Gly Tyr Val  
 191 50 55 60  
 193 Gln Ser Pro Arg Phe Pro Asn Ser Tyr Pro Arg Asn Leu Leu Thr  
 194 65 70 75 80  
 196 Trp Arg Leu His Ser Gln Glu Asn Thr Arg Ile Gln Leu Val Phe Asp  
 197 85 90 95  
 199 Asn Gln Phe Gly Leu Glu Glu Ala Glu Asn Asp Ile Cys Arg Tyr Asp  
 200 100 105 110  
 202 Phe Val Glu Val Glu Asp Ile Ser Glu Thr Ser Thr Ile Ile Arg Gly  
 203 115 120 125  
 205 Arg Trp Cys Gly His Lys Glu Val Pro Pro Arg Ile Lys Ser Arg Thr  
 206 130 135 140  
 208 Asn Gln Ile Lys Ile Thr Phe Lys Ser Asp Asp Tyr Phe Val Ala Lys  
 209 145 150 155 160  
 211 Pro Gly Phe Lys Ile Tyr Tyr Ser Leu Leu Glu Asp Phe Gln Pro Ala  
 212 165 170 175  
 214 Ala Ala Ser Glu Thr Asn Trp Glu Ser Val Thr Ser Ser Ile Ser Gly  
 215 180 185 190  
 217 Val Ser Tyr Asn Ser Pro Ser Val Thr Asp Pro Thr Leu Ile Ala Asp  
 218 195 200 205  
 220 Ala Leu Asp Lys Lys Ile Ala Glu Phe Asp Thr Val Glu Asp Leu Leu  
 221 210 215 220  
 223 Lys Tyr Phe Asn Pro Glu Ser Trp Gln Glu Asp Leu Glu Asn Met Tyr  
 224 225 230 235 240  
 226 Leu Asp Thr Pro Arg Tyr Arg Gly Arg Ser Tyr His Asp Arg Lys Ser

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Input Set : A:\Cura 57A Seq List.txt  
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227	245	250	255	
229	Lys Val Asp Leu Asp Arg Leu Asn Asp Asp Ala Lys Arg Tyr Ser Cys			
230	260	265	270	
232	Thr Pro Arg Asn Tyr Ser Val Asn Ile Arg Glu Glu Leu Lys Leu Ala			
233	275	280	285	
235	Asn Val Val Phe Phe Pro Arg Cys Leu Leu Val Gln Arg Cys Gly Gly			
236	290	295	300	
238	Asn Cys Gly Cys Gly Thr Val Asn Trp Arg Ser Cys Thr Cys Asn Ser			
239	305	310	315	320
241	Gly Lys Thr Val Lys Lys Tyr His Glu Val Leu Gln Phe Glu Pro Gly			
242	325	330	335	
244	His Ile Lys Arg Arg Gly Arg Ala Lys Thr Met Ala Leu Val Asp Ile			
245	340	345	350	
247	Gln Leu Asp His His Glu Arg Cys Asp Cys Ile Cys Ser Ser Arg Pro			
248	355	360	365	
250	Pro Arg			
251	370			
253	<210> SEQ ID NO: 5			
254	<211> LENGTH: 1587			
255	<212> TYPE: DNA			
256	<213> ORGANISM: Homo sapiens			
258	<400> SEQUENCE: 5			
259	agaggctctc aaatttagatc aagaaatgcc tttaacagaa gtgaagagtg aacctgctcc 60			
261	tgacatggcg gcttcactct caggagaata cacggataca gctagtgttt gacaatcagt 120			
263	ttggattaga ggaagcagaa aatgatatct gtaggtatga ttttgtggaa gttgaagata 180			
265	tatccgaaac cagtaccatt attagaggac gatggtgtgg acacaaggaa gttcctccaa 240			
267	ggataaaaatc aagaacgaac caaattaaaa tcacattcaa gtccgatgac tactttgtgg 300			
269	ctaaacctgg attcaagatt tattattctt tgcttgaaga tttccaaccc gcagcagctt 360			
271	cagagaccaa ctggaatct gtcacaagct ctatttcagg ggtatccat aactctccat 420			
273	cagtaacgga tcccactctg attgcggatg ctctggacaa aaaaattgca gaatttgata 480			
275	cagtggaga tctgctcaag tacttcaatc cagagtcatg gcaagaagat cttgagaata 540			
277	tgtatcttgc caccctctgg tatcgaggca ggtcatacca tgaccggaag tcaaaagttg 600			
279	acctggatag gctcaatgtat gatgccaagc gttacagttg cactcccagg aattactcgg 660			
281	tcaatataag agaagagctg aagttggcca atgtggctt ctttccacgt tgcctcctcg 720			
283	tgcagcgctg tggagaaat tggctgtg gaactgtcaa ctggaggctc tgacatgca 780			
285	attcagggaa aaccgtgaaa aagtatcatg aggtattaca gtttgagctt ggcacatca 840			
287	agaggaggg tagagctaag accatggctc tagttgacat ccagttggat caccatgaac 900			
289	gatgtgattt tatctgcagc tcaagaccac ctcgataaga gaatgtgcac atccttacat 960			
291	taagcctgaa agaacctta gtttaaggag ggtgagataa gagacccttt tcctaccagc 1020			
293	aacccaaactt actactagcc tgcaatgca tgaacacaag tggttgtga gtctcagcct 1080			
295	tgtttgtta atgccatggc aagtagaaag gtatcatc aacttctata cctaagaata 1140			
297	taggattgca tttataataa gtgtttgagg ttatatatgc acaaacacac acagaaatat 1200			
299	attcatgtct atgtgtat agatcaaatg tttttttgg tatataaac caggtacacc 1260			
301	agagcttaca tatgtttgag ttagactttt aaaaatcctt gccaaaataa gggatggta 1320			
303	aatatatgaa acatgtctt agaaaattta ggagataat ttattttaa atttgaaac 1380			
305	acaaaacaat ttgaaatctt gctctcttaa agaaaagcatc ttgtatatta aaaatcaaaa 1440			
307	gatgaggctt tcttacatc acatcttagt tgattattaa aaaagaaaa atatggttc 1500			
309	cagagaaaag gccaatacct aagcatttt tccatgagaa gcactgcata cttacctatg 1560			
311	tggactataa taacctgtct ccaaaac 1587			

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Input Set : A:\Cura 57A Seq List.txt  
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313 <210> SEQ ID NO: 6  
314 <211> LENGTH: 132  
315 <212> TYPE: PRT  
316 <213> ORGANISM: Homo sapiens  
318 <400> SEQUENCE: 6  
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320 1 5 10 15  
322 Lys Ser Lys Val Asp Leu Asp Arg Leu Asn Asp Asp Ala Lys Arg Tyr  
323 20 25 30  
325 Ser Cys Thr Pro Arg Asn Tyr Ser Val Asn Ile Arg Glu Glu Leu Lys  
326 35 40 45  
328 Leu Ala Asn Val Val Phe Phe Pro Arg Cys Leu Leu Val Gln Arg Cys  
329 50 55 60  
331 Gly Gly Asn Cys Gly Cys Gly Thr Val Asn Trp Arg Ser Cys Thr Cys  
332 65 70 75 80  
334 Asn Ser Gly Lys Thr Val Lys Lys Tyr His Glu Val Leu Gln Phe Glu  
335 85 90 95  
337 Pro Gly His Ile Lys Arg Arg Gly Arg Ala Lys Thr Met Ala Leu Val  
338 100 105 110  
340 Asp Ile Gln Leu Asp His His Glu Arg Cys Asp Cys Ile Cys Ser Ser  
341 115 120 125  
343 Arg Pro Pro Arg  
344 130  
346 <210> SEQ ID NO: 7  
347 <211> LENGTH: 1113  
348 <212> TYPE: DNA  
349 <213> ORGANISM: Homo sapiens  
351 <400> SEQUENCE: 7  
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354 actttgcga ctccgcagag agcatccatc aaagcttgc gcaatgc当地 cctcaggaga 120  
356 gatgagagca atcacccatc agacttgc当地 cagagagagg agaacatca ggtgacaagc 180  
358 aatggccatg tgcagagtcc tcgcttcccg aacagctacc caaggaacct gcttctgaca 240  
360 tggtggtcc gttcccgagga gaaaacacgg atacaactgt ctttgacca tcaattcgga 300  
362 ctagaggaag cagaaaatga cattttagg tatgactttg tggaaatgttga agaagtctca 360  
364 gagagcagca ctgttgc当地 aggaagatgg tggccaca aggagatccc tccaggata 420  
366 acgtcaagaa caaaccagat taaaatcaca ttaagtctg atgactactt tggcaaaaa 480  
368 cctggattca agatttatta ttcatttgc当地 gaagatttcc aaccggaaagc agctcagag 540  
370 accaactggg aatcagtc当地 aagctttc tctgggggtgt cctatcactc tccatcaata 600  
372 acggacccca ctctcactgc tgatgccctg gacaaaactg tcgc当地 cgtg 660  
374 gaagatctac ttaagcactt caatccagtg tcttggcaag atgatctggaa gaatttgtat 720  
376 ctggacaccc ctcattatag aggccaggta taccatgatc ggaagtccaa agtggacctg 780  
378 gacaggctca atgatgttgc当地 agttgc当地 ccaggaatca ctctgtgaac 840  
380 ctcaggagg agctgaagct gaccaatgca gtcttcc cacgatgc当地 ctcgtgc当地 900  
382 cgctgtggg gcaactgtgg ttgc当地 gacttgc当地 agtccctgc当地 atgc当地 960  
384 gggaaacacag tgaagaagta tcatgaggta ttgaagtttgc当地 gacccggaca ttcaagaga 1020  
386 agggggcaaag ctaagaatat ggcttgc当地 gatatccagc tggatcatca tgagc当地 1080  
388 gactgttatct gcagctcaag accacccctcgaa taa 1113  
390 <210> SEQ ID NO: 8  
391 <211> LENGTH: 370

**VERIFICATION SUMMARY**

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